| Work Order ID         | 59519      |
|-----------------------|------------|
| Friday, June 04, 2010 | 3:05:34 PM |



Page 1

| Friday, June 04,               | . 2010 3:05:3         | 4 PM                      |                |                            |                      |                    | _       |              |              |              |               |                  |                |
|--------------------------------|-----------------------|---------------------------|----------------|----------------------------|----------------------|--------------------|---------|--------------|--------------|--------------|---------------|------------------|----------------|
| Item ID:<br>Revision ID:       | D4009-041             |                           |                |                            | Accept               |                    |         |              |              | Setup        | Start         |                  |                |
| Item Name:                     | Bonding Braid         | 1                         |                |                            |                      |                    |         |              |              |              | Stop          |                  |                |
| Start Date:<br>Required Date:  | 6/4/2010<br>6/10/2010 | Start Qty: 2 Req'd Qty: 2 |                |                            |                      | Cust Ite<br>Custom |         |              |              |              | _             | 1 158111181 81   |                |
| Reference:                     |                       |                           |                | 1 1 mm 1 m 1 f m 1 1 m 2 1 |                      |                    |         |              |              |              |               |                  | •              |
| Approvals:                     | Process Pla           | n:                        |                | te:/0-67                   | Tooling:             |                    | Date:   |              |              | Run          | Start<br>Stop |                  |                |
|                                | QC:                   |                           | Da             | ite:                       | <b>SPC (Y/N):</b>    |                    | Date:   |              |              |              | Stop          |                  |                |
| Sequence ID/<br>Work Center II | )                     | Operation<br>Description  |                |                            | Set Up/<br>Run Hours | Tool I             | D Tool# | Plan<br>Code | Accep<br>Qty | t Rej<br>Qty |               | Reject<br>Number | Insp.<br>Stamp |
| Draw Nbr                       | Revi                  | ision Nbr                 |                |                            |                      |                    |         |              |              |              |               |                  |                |
| D4009                          | A                     |                           |                |                            |                      |                    |         |              |              | _            |               |                  |                |
| 100<br>Small Fab               |                       | Men                       | no             |                            | 0.00                 |                    |         |              |              |              |               |                  |                |
| Small Fab                      |                       |                           | mble as per dw | g D4009                    | $=$ $\frac{1}{2}$    | m-l                | 10/11/0 | 4            |              | •            |               |                  |                |
|                                |                       | QC5- Inspect par          | t completeness | s to step on W/O           | 0.00                 |                    |         |              |              |              |               |                  |                |
| QC<br>Quality Control          |                       | Men                       | no             |                            | 0.00 Scelu           | ulos               |         |              | 45)          | _            |               |                  |                |
| 120                            |                       | Identify as per dv        | vg & Stock Lo  | ocation: // /              | 0.00                 |                    |         |              |              | //           | 1             | , '              |                |
| Packaging                      |                       | Меп                       | no             | ·                          | 0.00                 |                    |         |              | -6           | /            | <u> </u>      | 15               | <u> </u>       |
| Packaging                      |                       |                           |                |                            |                      |                    |         |              | _            |              | • /           |                  |                |

| Dart Aerospac | e Ltd |
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|         |      |                   |                             |                              |         |                |              |       |                                     | •                                     |
|---------|------|-------------------|-----------------------------|------------------------------|---------|----------------|--------------|-------|-------------------------------------|---------------------------------------|
| W/O:    |      |                   | W                           | ORK ORDER CHANG              | ES      |                | 1            |       |                                     |                                       |
| DATE    | STEP | PR                | OCEDURE CHA                 | NGE                          |         | Ву             | Date         | Qty   | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector              |
|         |      |                   |                             |                              |         |                |              |       |                                     |                                       |
|         |      |                   |                             |                              |         |                | 1            |       |                                     |                                       |
|         |      |                   |                             |                              |         |                |              |       |                                     |                                       |
|         |      |                   |                             |                              |         |                | 1            |       |                                     |                                       |
|         |      |                   |                             |                              |         |                |              |       |                                     |                                       |
|         |      |                   |                             |                              |         |                |              |       |                                     |                                       |
| Part No | •    | PAR #:            | Fault Cate                  | gory:                        | NCR:    | Yes 1          | 10 <b>DQ</b> | A:    | _ Date: _                           |                                       |
|         | Re   | esolution:        | Dispositio                  | n:                           | _ QA: N | I/C Clo        | sed:         |       | Date:                               |                                       |
| NCR:    |      |                   | WORK ORD                    | ER NON-CONFORM               | ANCE (  | NCR)           | )            |       |                                     | ·                                     |
| DATE    | STEP | Description of NC | Corrective Action Section B |                              |         |                | Verific      | ation | Approvai                            | Approval                              |
| DATE    | JILF | Section A         | Initial<br>Chief Eng        | Action Description Chief Eng |         | Sign &<br>Date | Secti        |       | Chief Eng                           | QC Inspector                          |
|         |      |                   | ,                           |                              |         |                |              |       |                                     |                                       |
|         |      |                   |                             |                              |         |                |              |       |                                     |                                       |
|         |      |                   |                             |                              |         |                |              |       |                                     |                                       |
|         |      |                   |                             |                              |         |                |              |       |                                     |                                       |
|         |      |                   |                             |                              |         |                |              |       |                                     |                                       |
|         |      |                   |                             |                              |         |                |              |       |                                     |                                       |
|         | -    |                   |                             |                              |         |                |              |       |                                     |                                       |
|         |      |                   |                             |                              |         |                |              |       |                                     | · · · · · · · · · · · · · · · · · · · |
|         |      |                   |                             |                              |         |                |              |       |                                     |                                       |
|         |      |                   |                             |                              |         |                |              |       |                                     |                                       |
|         |      |                   |                             |                              |         |                |              | i     |                                     |                                       |

#### Work Order ID 59519

Friday, June 04, 2010 3:05:34 PM



Page 2

Item ID:

D4009-041

Accept



Setup Start

Stop



Revision ID:

Item Name: **Bonding Braid** 

Required Date: 6/10/2010

**Start Date:** 

6/4/2010

Start Qty: 2.00

Req'd Qty: 2.00

Operation

Description



**Cust Item ID: Customer:** 

Reference:

| Approvals: |
|------------|
|------------|

Process Plan: \_\_\_\_\_ Date:

Tooling:

Date:

Start Run



QC:

Date:

SPC (Y/N):

Set Up/

Date:

Stop



Sequence ID/

**Work Center ID** 

130

QC

Memo

QC21- Final Inspection - Work Order Release

0.00

0.00

Tool ID **Run Hours** 

Tool # Plan Code

Accept Qty

Reject Reject Qty Number

Insp. Stamp

**Quality Control** 

MF 5

## **Dart Aerospace Ltd**

| W/O:    |      |                   | W                    | ORK ORDER CHANG              | ES             | i            |                               | 1                        |
|---------|------|-------------------|----------------------|------------------------------|----------------|--------------|-------------------------------|--------------------------|
| DATE    | STEP | PR                | OCEDURE CHA          | NGE                          | Ву             | Date Qt      | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |
|         |      |                   |                      |                              |                |              |                               |                          |
|         |      |                   |                      |                              |                | 0            |                               |                          |
|         |      |                   |                      |                              |                |              |                               |                          |
|         |      |                   |                      |                              |                |              |                               |                          |
|         |      |                   |                      | -                            |                |              |                               |                          |
| Part No |      | PAR #:            |                      |                              |                |              |                               |                          |
|         | Re   | esolution:        | Dispositio           | n:                           | _ QA: N/C CI   | osed:        | Date: _                       |                          |
| NCR:    | ļ    | •                 | WORK ORD             | ER NON-CONFORMA              | ANCE (NCF      | 1)           |                               |                          |
| DATE    | STEP | Description of NC |                      | Corrective Action Section    |                | Verification | on Approval                   | Approval                 |
|         | SILP | Section A         | Initial<br>Chief Eng | Action Description Chief Eng | Sign &<br>Date | Section C    | Chief Eng                     | QC Inspector             |
|         |      |                   |                      |                              |                |              |                               |                          |
|         |      |                   |                      |                              | ,              |              |                               |                          |
| ·       |      |                   |                      |                              |                |              | ·                             |                          |
|         |      |                   |                      |                              |                |              |                               |                          |
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|         |      |                   |                      |                              |                |              |                               |                          |
|         |      |                   |                      |                              |                |              |                               |                          |
|         |      |                   |                      |                              |                |              |                               |                          |
|         |      |                   |                      |                              |                |              |                               |                          |

## Picklist Print

Friday, June 04, 2010 3:05:38 PM

Work Order ID: 59519

D4009-041

Parent Item Name:

Bonding Braid

Comments:

Parent Item:

IPP rev A 10.02.02 new issue Prelim EC verified by:DD

Start Date: 6/4/2010

Required Date: 6/10/2010

Page 1

Start Qty: 2.00

Required Qty: 2.00

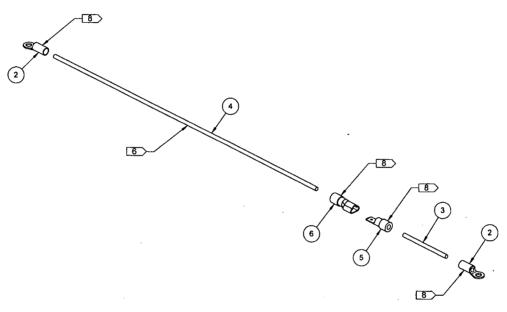
| 10                                                | 0.05.03 as per EC      | N10-562 DD ver                | ified by          | :EC                 | <i>DD</i> 111 10 | UV.B                   |                            | `                         | tart Qty. 2.00 | Required Qty. 2.00            |
|---------------------------------------------------|------------------------|-------------------------------|-------------------|---------------------|------------------|------------------------|----------------------------|---------------------------|----------------|-------------------------------|
| Component Item ID/ Item Name D4009-1 Terminal End | Replacement<br>Item ID | Mfg/<br>Purch<br>Manufactured | Bin<br>Item<br>No | Primary<br>Location | Last<br>Location | Route<br>Seq ID<br>100 | Unit of<br>Measure<br>Each | Qty on<br>Hand<br>20.0000 |                | Qty Date Status Issued Issued |
|                                                   |                        |                               |                   | Location            | <u>1</u>         | Loc                    | Oty                        | Loc Code                  |                | •                             |
|                                                   |                        |                               |                   | ENG                 |                  |                        | 20                         |                           |                |                               |
| D4009-3                                           |                        |                               |                   |                     | 55809            |                        | 20                         |                           | 4              |                               |
| Ground Strap                                      |                        | Manufactured                  | No                |                     |                  | 100                    | Each                       | 5.0000                    | $\frac{1}{2}$  | 6/11/04                       |
|                                                   |                        |                               |                   | Location            | <u>1</u>         | Loc                    | Oty                        | Loc Code                  | 363519         | •                             |
|                                                   |                        |                               |                   | ENG                 |                  |                        | 5                          | ,                         |                |                               |
|                                                   | •                      |                               |                   |                     | 57050            |                        | 5                          |                           |                |                               |
| D4009-5  Ground Strap                             |                        | Manufactured                  | No                |                     |                  | 100                    | Each                       | 5.0000                    | 1 2 m - 4      | 6/11/04                       |
|                                                   |                        |                               |                   | Location            | <u>!</u>         | <u>Loc</u>             | Oty                        | Loc Code                  | 12520 1        | •                             |
|                                                   |                        |                               |                   | ENG                 |                  |                        | 5                          | Loc Code                  | 63520          |                               |
|                                                   |                        |                               |                   |                     | 57051            |                        | 5                          |                           |                |                               |
| D4009-7                                           | £ (B2)                 | Manufactured                  | No                | `                   |                  | 100                    | Each                       | 0.0000                    | 1 2            | / / /                         |
| Tab                                               | <b>!          </b>     |                               |                   |                     |                  | 4                      | B 6213                     | 37                        | m-f            | 10/W/04                       |
| D4009-9                                           | l taut                 | Manufactured                  | No                |                     |                  | 100                    | Each                       | 0.0000                    | 1 2            |                               |
| Receptacle                                        |                        |                               |                   |                     |                  |                        | B621                       | 38                        | IIII m-f       | whiloy                        |

IPP Rev:B

### **Dart Aerospace Ltd**

| W/O:     |                                                                                                                                     |                   | WO                          | RK ORDER CHANG                     | ES     | <del></del>      |      |     |                               | τ τ                      |  |
|----------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------|------------------------------------|--------|------------------|------|-----|-------------------------------|--------------------------|--|
| DATE     | STEP                                                                                                                                | PRO               | PROCEDURE CHANGE            |                                    |        | Ву               | Date | Qty | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |  |
| Part No: |                                                                                                                                     |                   |                             |                                    |        |                  |      |     |                               |                          |  |
|          |                                                                                                                                     |                   |                             |                                    |        |                  | i    |     |                               |                          |  |
|          |                                                                                                                                     |                   |                             |                                    |        |                  |      |     |                               |                          |  |
|          |                                                                                                                                     |                   |                             |                                    |        |                  |      |     |                               |                          |  |
|          |                                                                                                                                     |                   |                             |                                    |        |                  |      |     |                               |                          |  |
| Part No  | Part No: PAR #: Fault Category: NCR: Yes No DQA: I Resolution: Disposition: QA: N/C Closed: I NCR: WORK ORDER NON-CONFORMANCE (NCR) |                   | Date:                       |                                    |        |                  |      |     |                               |                          |  |
|          | Re                                                                                                                                  | esolution:        | Disposition                 | Disposition: QA: N/C Closed: Date: |        |                  |      |     |                               |                          |  |
| NCR:     |                                                                                                                                     |                   | WORK ORDE                   | R NON-CONFORMA                     | ANCE ( | NCR              |      |     | <del>, .</del>                |                          |  |
| DATE     | STEP                                                                                                                                | Description of NC | Corrective Action Section B |                                    |        | Varitical        |      |     | Approval                      | Approval                 |  |
| DATE     | SIEP                                                                                                                                | Section A         | Initial<br>Chief Eng        | Action Description Chief Eng       |        | Sign & Section C |      |     | Chief Eng                     | QC Inspector             |  |
|          |                                                                                                                                     |                   |                             |                                    |        |                  |      |     |                               |                          |  |
|          |                                                                                                                                     |                   |                             |                                    |        |                  |      |     |                               |                          |  |
|          |                                                                                                                                     |                   |                             |                                    |        |                  |      |     |                               |                          |  |
|          |                                                                                                                                     |                   |                             |                                    |        |                  |      |     |                               |                          |  |
|          |                                                                                                                                     |                   |                             |                                    |        |                  |      |     |                               |                          |  |
|          |                                                                                                                                     |                   | ·                           |                                    |        |                  |      |     |                               |                          |  |
|          |                                                                                                                                     |                   |                             |                                    |        |                  |      |     | <u> </u>                      |                          |  |
|          |                                                                                                                                     |                   |                             |                                    |        |                  |      |     |                               |                          |  |
|          |                                                                                                                                     |                   |                             |                                    |        |                  |      |     |                               |                          |  |
|          | 1 1                                                                                                                                 |                   | 1 1                         |                                    | i      |                  | 1    |     |                               | I-                       |  |

| ITEM NO. | QTY.<br>-041 | PART NUMBER | DESCRIPTION   | JOHN CAMERON AVIATION<br>PART NUMBER |
|----------|--------------|-------------|---------------|--------------------------------------|
| 1        | Х            | D4009-041   | BONDING BRAID | JCA-M47-4-01                         |
| 2        | 2            | D4009-1     | TERMINAL END  |                                      |
| 3        | 1            | D4009-3     | GROUND STRAP  |                                      |
| 4        | 1            | D4009-5     | GROUND STRAP  |                                      |
| 5        | 1            | D4009-7     | TAB           |                                      |
| 6        | 1            | D4009-9     | RECEPTACLE    |                                      |



SHOP COPY RETURNITO ENGINEER P. CI UNCONTROLLED COPY SUBJECT TO AMENDMEND WITHOUT NUMBER

**D4009-041 BONDING BRAID** 

С

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4009-041" AND B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
7) WEIGHT: N/A
8) USE CRIMPING TOOL P/N 59824-1

| Α                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NEW IS: | SUE |                             | 1     | 10.02.05     |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----|-----------------------------|-------|--------------|--|--|--|--|
| REV.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |     | DESCRIPTION                 | BY    | DATE         |  |  |  |  |
| DESIG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | N       | 95  | DART AEROSI                 | ACE L | TD           |  |  |  |  |
| DRAW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N       | 15  | HAWKESBURY, ONTARIO, CANADA |       |              |  |  |  |  |
| CHECKED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |     | DRAWING NO.                 |       | REV. A       |  |  |  |  |
| MFG. APPR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |     | D4009                       |       | SHEET 1 OF 5 |  |  |  |  |
| APPRO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | VED     | 10  | TITLE                       |       | SCALE        |  |  |  |  |
| DE APPR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |         |     | GROUND STRAP                |       | NTS          |  |  |  |  |
| DATE 10.02.05 COPYRIGHT © 2010 BY DART A EROSPACE LTD  RESOCUES IN FRANCE ADDITIONAL MOST A SEMILED ON THE COMMISSION OF THE THIS ADDITION THAT IT  NOT TO BE USED TO AN IMPOSED ON CASE ON COMMISSION TO NOT ON CHARGES ON THE THIS ADDITIONAL THAT IT  NOT TO BE USED TO AN IMPOSED ON CASE ON COMMISSION TO NOT ON CHARGES ON THE THIS ADDITIONAL THAT IT  NOT TO BE USED TO AN IMPOSED ON CASE ON COMMISSION TO NOT ON CHARGE ON THE THIS ADDITIONAL THAT IT A |         |     |                             |       |              |  |  |  |  |

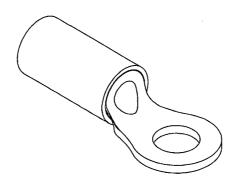
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| Dart Aerospace Ltd | Da | art | Aer | os | pace | <b>Ltd</b> |
|--------------------|----|-----|-----|----|------|------------|
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| W/O:     |      |                   | WO                   | RK ORDER CHANG               | GES                       |              | <u> </u> |     |                               | (                        |  |
|----------|------|-------------------|----------------------|------------------------------|---------------------------|--------------|----------|-----|-------------------------------|--------------------------|--|
| DATE     | STEP | PRO               | OCEDURE CHAI         |                              | В                         | у            | Date     | Qty | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |  |
|          |      |                   |                      |                              |                           |              |          |     | · ·                           |                          |  |
|          |      |                   |                      |                              |                           |              | i        |     |                               |                          |  |
| <u> </u> |      |                   |                      |                              |                           |              |          |     |                               |                          |  |
|          | ;    |                   |                      |                              |                           |              |          |     |                               |                          |  |
|          |      | PAR #:            | Fault Categ          | Jory:                        | NCR: Yes No DQA: D        |              |          |     |                               |                          |  |
|          | Re   | esolution:        | Disposition          | :                            | QA: N/                    | C Clo        | sed:     |     | Date:                         |                          |  |
| NCR:     |      |                   | WORK ORDE            | R NON-CONFORM                | ANCE (N                   | ICR)         |          |     |                               |                          |  |
| DATE     | STEP | Description of NC |                      | tion B                       | -   Sign o   Verification |              |          |     | Approval                      |                          |  |
|          |      | Section A         | Initial<br>Chief Eng | Action Description Chief Eng |                           | gn &<br>Date | Secti    |     | Chief Eng                     | QC Inspector             |  |
|          |      |                   |                      |                              |                           |              |          |     |                               |                          |  |
|          |      |                   |                      |                              |                           |              |          |     |                               |                          |  |
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|          |      |                   |                      |                              |                           | 7            |          |     |                               |                          |  |
|          |      |                   |                      |                              |                           |              |          |     |                               |                          |  |
|          |      |                   |                      |                              |                           |              |          | :   |                               |                          |  |
|          |      |                   |                      |                              |                           |              |          |     |                               | ·                        |  |

DART AEROSPACE PART NUMBER JOHN CAMERON AVIATION PART NUMBER D4009-1 REF JCA-M47-4-01

### **SPECIFICATION CONTROL DRAWING**



| DART<br>PART NUMBER | SUPPLIER         | SUPPLIER<br>PART NUMBER | MILITARY<br>PART NUMBER | INSTALLATION TOOL PART NUMBER |  |
|---------------------|------------------|-------------------------|-------------------------|-------------------------------|--|
| D4009-1             | TYCO ELECTRONICS | 36161                   | MS25036-112             | 59824-1                       |  |

#### **D4009-X TERMINAL END**



| NOTES:                                                 |
|--------------------------------------------------------|
| 1) MATERIAL: N/A                                       |
| 2) FINISH: N/A                                         |
| 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED |
| 4) UNITS: INCHES UNLESS OTHERWISE NOTED                |
| 5) BREAK SHARP EDGES: N/A                              |
| 6) IDENTIFICATION: N/A                                 |

| DESIGN     | 1    | DART AEROSPAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CE LTD                                                           |  |
|------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--|
| DRAWN      | 15   | HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |  |
| CHECKED    | B    | DRAWING NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | REV. A                                                           |  |
| MFG. APPR. | E    | D4009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SHEET 2 OF 5                                                     |  |
| APPROVED   | 10   | TITLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SCALE                                                            |  |
| DE APPR.   | -4   | GROUND STRAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NTS                                                              |  |
| DATE 10.0  | 2.05 | COPYRIGHT © 2010 BY DART AER THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON HOT TO BE USED FOR MY PURPOSE OR COMED OR COMMUNICATED MOTITOR BE USED FOR MY PURPOSE OR COMPANY AND APPLIANCED FOR MY PURPOSE OR COMPANY AND APPLIANCED FOR MY PURPOSE OF COMPANY AND APPLIANCED FOR MY APPLIANCED FOR MY AND APPLIANCED FOR MY APPLI | THE EXPRESS CONDITION THAT IT IS<br>ITO ANY OTHER PERSON WITHOUT |  |

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7) WEIGHT: N/A

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|---------|------|-------------------|-----------------------------|------------------------------|---------|------------------|---------|-------------------------------------|--------------------------|
| W/O:    |      |                   | WC                          | RK ORDER CHANC               | GES     |                  |         |                                     | ٤                        |
| DATE    | STEP | PR                | OCEDURE CHAI                | NGE                          | Ву      | Date             | Qty     | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|         |      |                   |                             |                              |         | ſ                | 100     |                                     |                          |
|         |      |                   |                             |                              |         |                  |         |                                     |                          |
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|         |      |                   |                             |                              |         |                  |         |                                     |                          |
| Part No | :    | PAR #:            | Fault Cate                  | jory:                        | NCR: Ye | es No <b>D</b> e | QA:     | Date:                               |                          |
|         | Res  | solution:         | Disposition                 | l:                           | QA: N/C | Closed: _        |         | Date: _                             |                          |
| NCR:    |      |                   | WORK ORDE                   | R NON-CONFORM                | ANCE (N | CR)              |         |                                     |                          |
| DATE    | STEP | Description of NC | Corrective Action Section B |                              |         | Verifica         |         | on Approval                         | Approval                 |
|         | -    | Section A         | Initial Chief Eng           | Action Description Chief Eng |         | n & Se           | ction C | Chief Eng                           | QC Inspector             |
|         |      |                   |                             |                              |         |                  |         |                                     |                          |
|         |      |                   |                             |                              |         |                  |         |                                     |                          |
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|         |      |                   |                             |                              |         |                  |         |                                     |                          |

DART AEROSPACE PART NUMBER JOHN CAMERON AVIATION PART NUMBER D4009-3 REF JCA-M47-4-01 D4009-5 REF JCA-M47-4-01

D

### **SPECIFICATION CONTROL DRAWING**

| DART<br>PART NUMBER | LENGTH |
|---------------------|--------|
| D4009-3             | 1.5    |
| D4009-5             | 13.5   |

2

**D4009-X GROUND STRAP** 

REV. A

SCALE

NTS

SHEET 3 OF 5

NOTES:

1) MATERIAL: MADE FROM AVIALL P/N 1171 (OR SEA-171) OR C.O.R.E. AVIATION P/N QQ8575R36T250
2) FINISH: N/N:
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: N/A
7) WEIGHT: N/A

7

DESIGN **DART AEROSPACE LTD** DRAWN HAWKESBURY, ONTARIO, CANADA DRAWING NO. CHECKED D4009 MFG. APPR. TITLE APPROVED **GROUND STRAP** DE APPR. COPYRIGHT © 2010 BY DART AEROSPACE LTD
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NOT TO BE USED FOR ANY PURPOSE OR COMPAD OR COMMANCATED TO ANY OTHER PERSON
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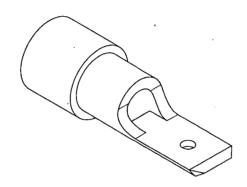
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| Dart Aerospace Ltd |
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|---------|---------------------------|------------|--------------|------------------------------|---------|--------------|---------------|------------|-------------------------------|--------------------------|
| W/O:    |                           |            | WC           | RK ORDER CHANG               | GES     | <del></del>  |               |            |                               | ŧ                        |
| DATE    | STEP                      | PR         | OCEDURE CHAI | NGE                          | Ву      | ,            | Date          | Qty        | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |
|         |                           |            |              |                              |         |              |               |            |                               |                          |
|         |                           |            |              |                              |         |              | ı             |            |                               | •                        |
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|         |                           |            |              |                              |         |              | <del></del>   |            |                               | · · · · · ·              |
| Part No | :                         | PAR #:     | Fault Cate   | Jory:                        | NCR: Y  | es N         | o <b>DQ</b> . | <b>A</b> : | _ Date:                       |                          |
|         | Re                        | esolution: |              |                              |         |              | ed:           |            | Date:                         |                          |
| NCR:    |                           |            | WORK ORDE    | R NON-CONFORM                | ANCE (N | CR)          |               |            |                               |                          |
| DATE    | TE STEP Description of NC |            | Initial      | Corrective Action Section B  |         | Verification |               | Approval   | Approval                      |                          |
|         |                           | Section A  | Chief Eng    | Action Description Chief Eng |         | gn &<br>ate  | Secti         | on C       | Chief Eng                     | QC Inspector             |
|         |                           |            |              |                              |         |              |               |            |                               |                          |
|         |                           |            |              |                              |         |              |               |            |                               |                          |
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|         |                           |            |              |                              |         |              |               |            |                               |                          |
|         |                           |            | 1 1          |                              | 1       |              |               |            |                               |                          |

# **SPECIFICATION CONTROL DRAWING**



| DART<br>PART NUMBER | SUPPLIER                              | SUPPLIER<br>PART NUMBER | INSTALLATION TOOL PART NUMBER |  |
|---------------------|---------------------------------------|-------------------------|-------------------------------|--|
| D4009-7             | TYCO ELECTRONICS<br>C.O.R.E. AVIATION | 8-696372-1              | 59824-1                       |  |

w/0 59519

**D4009-X TAB** 

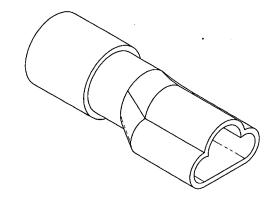
| NOTES.                                                 |
|--------------------------------------------------------|
| NOTES:<br>1) MATERIAL: N/A                             |
| 2) FINISH: N/A                                         |
| 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED |
| 4) UNITS: INCHES UNLESS OTHERWISE NOTED                |
| 5) BREAK SHARP EDGES: N/A                              |
| 6) IDENTIFICATION: N/A                                 |
| 7) WEIGHT: N/A                                         |
|                                                        |

| DESIGN<br>DRAWN |      | DART AEROSPAC<br>HAWKESBURY, ONTARIO,                                                                                                                                                                    |                                                                |  |
|-----------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--|
| CHECKED         | B    | DRAWING NO.                                                                                                                                                                                              | REV. A                                                         |  |
| MFG. APPR.      |      | D4009                                                                                                                                                                                                    | SHEET 4 OF 5                                                   |  |
| APPROVED 10     |      | TITLE                                                                                                                                                                                                    | SCALE                                                          |  |
| DE APPR.        | -#   | GROUND STRAP                                                                                                                                                                                             | NTS                                                            |  |
| DATE 10.0       | 2.05 | COPYRIGHT © 2010 BY DART AERC<br>THIS OCCUMENT IN PROVIDE HID CONFIDENTIAL, AND IS SUPPLIED ON T<br>NOT TO BE USED FOR ANY PURPOSE OR COMPUTED ON COMMUNICATED<br>WITHTEN PERMISSION FROM WART ASSISTED. | RÉ EUPRÉSS CONDITION THAT IT IS<br>TO ANY OTHER PERSON WITHOUT |  |

|  | Dart | <b>Aeros</b> | pace | Ltd |
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|           | •    |                   |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                |                    |            |                               | • · · · ·                |
|-----------|------|-------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|--------------------|------------|-------------------------------|--------------------------|
| W/O:      |      |                   | W                           | ORK ORDER CHANG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | GES  |                | <del>i</del>       |            |                               |                          |
| DATE STEP |      | PROCEDURE CHANGE  |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      | Ву             | Date               | Qty        | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |
|           |      |                   |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                | 1                  |            | ·                             |                          |
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|           | -    |                   |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                |                    |            |                               |                          |
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|           |      |                   |                             | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |                |                    |            |                               |                          |
| Part No   |      | PAR #:            | Fault Cat                   | tegory:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NCR: | Yes I          | No DQ              | <b>A</b> : | Date:                         |                          |
|           | Re   | esolution:        | Disposition: C              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      | VC CIC         | sed:               |            | Date:                         |                          |
| NCR:      |      |                   | WORK OR                     | DER NON-CONFORM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ANCE | NCR            | )                  |            |                               |                          |
| DATE      | STEP | Description of NC | Corrective Action Section B |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                | Verification Appro |            |                               | al Approval              |
|           |      | Section A         | Initial<br>Chief Eng        | Action Description Chief Eng                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | Sign &<br>Date | Section C          |            | Chief Eng                     | QC Inspector             |
|           |      |                   |                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                |                    |            |                               |                          |
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## **SPECIFICATION CONTROL DRAWING**



| DART<br>PART NUMBER | SUPPLIER                              | SUPPLIER<br>PART NUMBER | INSTALLATION TOOL PART NUMBER |  |  |
|---------------------|---------------------------------------|-------------------------|-------------------------------|--|--|
| D4009-9             | TYCO ELECTRONICS<br>C.O.R.E. AVIATION | 8-696371-1              | 59824-1                       |  |  |

**D4009-X RECEPTACLE** 



| NOTES:                                                 |
|--------------------------------------------------------|
| 1) MATERIAL: N/A                                       |
| 2) FINISH: N/A                                         |
| 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED |
| 4) UNITS: INCHES UNLESS OTHERWISE NOTED                |
| 5) BREAK SHARP EDGES: N/A                              |
| 6) IDENTIFICATION: N/A                                 |
| 7) WEIGHT: N/A                                         |

| DESIGN     | 95   | DART AEROSPACE LTD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |  |  |
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| DRAWN      |      | HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |  |  |
| CHECKED    | B    | DRAWING NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | REV. A       |  |  |
| MFG. APPR. | E    | D4009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SHEET 5 OF 5 |  |  |
| APPROVED   | 10   | TITLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SCALE        |  |  |
| DE APPR.   | -#   | GROUND STRAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NTS          |  |  |
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## **Dart Aerospace Ltd**

| W/O:            |      |                                | 1                                              | WORK ORDER CHANG | ES    |                |                           | ·                             | * •                      |  |
|-----------------|------|--------------------------------|------------------------------------------------|------------------|-------|----------------|---------------------------|-------------------------------|--------------------------|--|
| DATE            | STEP | PROCEDURE CHANGE               |                                                |                  |       | Ву             | Date Q                    | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |  |
|                 |      |                                |                                                |                  |       |                |                           |                               |                          |  |
|                 |      |                                |                                                |                  |       |                |                           |                               |                          |  |
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|                 |      |                                |                                                |                  |       |                |                           |                               |                          |  |
| Part No: PAR #: |      |                                |                                                |                  |       |                |                           |                               |                          |  |
|                 |      |                                | Disposition:                                   |                  |       |                |                           | Date: _                       | Date:                    |  |
| NCR:            | T    | W                              | ORK OR                                         | DER NON-CONFORM  | ANCE  | (NCR)          |                           |                               |                          |  |
| DATE            | STEP | Description of NC<br>Section A | Initial Action Description Chief Eng Chief Eng |                  | ion B | Sign &<br>Date | Verification<br>Section C | n Approval Chief Eng          | Approval<br>QC Inspector |  |
|                 |      |                                |                                                | Office Eng       |       | Date           |                           |                               |                          |  |
|                 |      |                                |                                                |                  |       |                |                           |                               |                          |  |
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| :               |      |                                |                                                |                  |       |                |                           |                               |                          |  |